

1                                    ABSTRACT OF THE DISCLOSURE

2            The present invention relates to bioassay materials useful  
3    for the detection of toxic substances and, more particularly,  
4    to packaging materials for food and other products, along with  
5    methods for their manufacture and use. The invention provides  
6    a unique composite material capable of detecting and  
7    identifying multiple biological materials within a single  
8    package. The biological material identification system is  
9    designed for incorporation into existing types of flexible  
10   packaging material such as polyvinylchloride or polyolefin  
11   films, and its introduction into the existing packaging  
12   infrastructure will require little or no change to present  
13   systems or procedures.

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